

## Butler County

8/31/2020

### Background Statistics<sup>1</sup>

Number of farms: 1,471

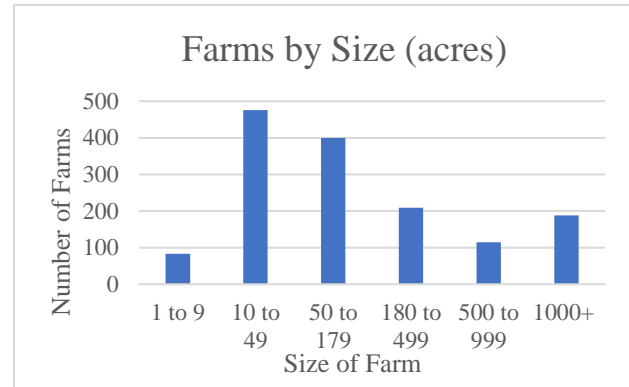
Average size: 543 acres

Land in farms: 798,408 acres

Average value of products sold per farm: \$180,941

Average net cash farm income per farm: \$40,433

1: Data from USDA 2017 Census of Agriculture



## Estimated Economic Contribution of Agriculture and Agriculture Related Sectors to the Butler County Economy

### Methodology

The estimated economic contribution of agriculture and agriculture related sectors was computed using the most recent IMPLAN data available (2018) adjusted for 2020. The IMPLAN modeling system was used to calculate the results of this analysis. The IMPLAN model was constructed so that double counting was avoided. For this report, 28 of the 71 agriculture and agriculture related sectors in Kansas were identified and analyzed to determine their overall contribution to the Butler County economy.

### Results

These 28 sectors have a total direct output of approximately **\$558.9 million** and account for **2,335 jobs** in Butler County. Running the model for all 28 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Butler County Economy					
Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	2,335	8%	\$126,300,000	5%	\$558,900,000
Indirect Effect	469	2%	\$32,300,000	1%	\$86,200,000
Induced Effect	298	1%	\$22,500,000	1%	\$42,600,000
<b>Total Effect</b>	<b>3,102</b>	<b>10%</b>	<b>\$181,100,000</b>	<b>7%</b>	<b>\$687,700,000</b>

**NOTE:** Individual effects may not equal the total effect due to rounding.

As shown in the above table, agriculture, food, and food processing sectors support a total of **3,102 jobs**, or **10%** of the entire workforce in the county. The total final sales of all products in these sectors is approximately **\$687.7 million**.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of Gross Regional Product (GRP). Total value added by the 28 agriculture, food, and food processing sectors is approximately **\$181.1 million**, or **7%** of the GRP.

## Top Ten Sectors by Employment

Out of the agriculture and agriculture related sectors, beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming is the top employer with **941 jobs**. This table also illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Butler County.

Sector	Total Employment
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	941
Landscape and horticultural services	372
Animal, except poultry, slaughtering	282
Other real estate	153
Support activities for agriculture and forestry	125
Grain farming	120
Veterinary services	119
Animal production, except cattle and poultry and eggs	110
All other crop farming	82
Truck transportation	74

## Top Ten Sectors by Output

This table shows how much revenue is generated in other sectors by having a strong agriculture industry, including direct, indirect, and induced effects. The animal, except poultry, slaughtering sector is the top contributor, with approximately **\$208.7 million** to the Butler County economy.

Sector	Total Output
Animal, except poultry, slaughtering	\$208,700,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$165,900,000
Grain farming	\$44,300,000
Oilseed farming	\$31,000,000
Other real estate	\$23,500,000
Fertilizer mixing	\$23,200,000
Landscape and horticultural services	\$21,200,000
Animal production, except cattle and poultry and eggs	\$19,500,000
Veterinary services	\$14,900,000
Truck transportation	\$10,900,000

## All Direct Sectors

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Butler County economy. IMPLAN sectors are assigned based on North American Industry Classification System (NAICS) codes. Generally, this analysis includes three categories; production, manufacturing/processing, and services. Note that this analysis does not include wholesale or retail sales of final products, or ethanol production.

Sector	Total Output	Total Employment
Animal, except poultry, slaughtering	\$208,744,521.33	282.03
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$165,928,812.48	941.09
Grain farming	\$44,296,614.73	120.26
Oilseed farming	\$31,024,173.75	22.12
Fertilizer mixing	\$23,222,210.87	41.01
Landscape and horticultural services	\$21,214,118.75	371.85
Animal production, except cattle and poultry and eggs	\$19,524,033.29	109.90
Veterinary services	\$14,926,972.01	119.20
Dairy cattle and milk production	\$8,703,917.94	14.54
All other crop farming	\$3,768,348.33	81.51
Bread and bakery product, except frozen, manufacturing	\$3,515,954.65	27.68
Breweries	\$2,901,476.40	6.09
Frozen cakes and other pastries manufacturing	\$2,369,912.88	27.71
Other leather and allied product manufacturing	\$1,622,102.13	20.00
Support activities for agriculture and forestry	\$1,261,610.31	124.93
Other animal food manufacturing	\$1,128,238.16	1.08
Cotton farming	\$969,464.34	8.57
Poultry and egg production	\$803,268.44	0.84
Other snack food manufacturing	\$803,196.02	1.56
Vegetable and melon farming	\$669,735.23	3.70
Roasted nuts and peanut butter manufacturing	\$627,829.91	1.53
Fruit farming	\$210,419.51	1.30
Greenhouse, nursery, and floriculture production	\$200,423.02	1.24
Commercial logging	\$151,055.25	1.55
Forestry, forest products, and timber tract production	\$116,901.54	1.48
Tree nut farming	\$110,871.76	1.82
Meat processed from carcasses	\$71,642.99	0.14
Rendering and meat byproduct processing	\$49,645.76	0.14

The following terms are used throughout the results shown in this report:

- **Direct effect:** the contribution from agricultural and food products
- **Indirect effect:** the contribution from farms and agricultural businesses purchasing inputs from supporting industries within the state
- **Induced effect:** the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the state
- **Value added** = labor income + indirect business taxes + other property type income
- **Gross Regional Product** = final demand of households + government expenditures + capital + exports – imports – institutional sales
- **Output** = intermediate inputs + value added
- **Employment:** full-time/part-time annual average i.e., 1 job lasting 12 months = 2 jobs lasting 6 months each = 3 jobs lasting 4 months each. A job is neither full-time nor part-time.
- Due to confidentiality policies that exist within several agencies from which IMPLAN collects their data, some sectors in some regions may not have all data available.

For more information, contact the Division of Agricultural Marketing, Advocacy and Outreach Agency Economist  
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